

DATA DICTIONARY

(Human Activity Recognition Using Smartphones Dataset)

This dictionary contains the description of final tidy dataset prepared based on instructions given and analysis performed based on those instructions.

subject :1

Description : Each row identifies the subject who performed the activity for each window sample. Its range is from 1 to 30.

activity :2

Description : Links the class labels with their activity name

Category :3

Description : whether data is train or test.

tBodyAcc-mean()-X :4

Description : Mean of each activity and each subject for tBodyAcc-mean()-X

tBodyAcc-mean()-Y :5

Description :Mean of each activity and each subject for tBodyAcc-mean()-Y

tBodyAcc-mean()-Z :6

Description :Mean of each activity and each subject for tBodyAcc-mean()-Z

tBodyAcc-std()-X :7

Description :Mean of each activity and each subject for tBodyAcc-std()-X

tBodyAcc-std()-Y :8

Description :Mean of each activity and each subject for tBodyAcc-std()-Y

tBodyAcc-std()-Z :9

Description :Mean of each activity and each subject for tBodyAcc-std()-Z

tGravityAcc-mean()-X :10

Description :Mean of each activity and each subject for tGravityAcc-mean()-X

tGravityAcc-mean()-Y :11

Description :Mean of each activity and each subject for tGravityAcc-mean()-Y

tGravityAcc-mean()-Z :12

Description :Mean of each activity and each subject for tGravityAcc-mean()-Z

tGravityAcc-std()-X :13

Description :Mean of each activity and each subject for tGravityAcc-std()-X

tGravityAcc-std()-Y :14

Description :Mean of each activity and each subject for tGravityAcc-std()-Y

tGravityAcc-std()-Z :15

Description :Mean of each activity and each subject for tGravityAcc-std()-Z

tBodyAccJerk-mean()-X :16

Description :Mean of each activity and each subject for tBodyAccJerk-mean()-X

tBodyAccJerk-mean()-Y :17

Description :Mean of each activity and each subject for tBodyAccJerk-mean()-Y

tBodyAccJerk-mean()-Z :18

Description :Mean of each activity and each subject for tBodyAccJerk-mean()-Z

tBodyAccJerk-std()-X :19

Description :Mean of each activity and each subject for tBodyAccJerk-std()-X

tBodyAccJerk-std()-Y :20

Description :Mean of each activity and each subject for tBodyAccJerk-std()-Y

tBodyAccJerk-std()-Z :21

Description :Mean of each activity and each subject for tBodyAccJerk-std()-Z

tBodyGyro-mean()-X :22

Description :Mean of each activity and each subject for tBodyGyro-mean()-X

tBodyGyro-mean()-Y :23

Description :Mean of each activity and each subject for tBodyGyro-mean()-Y

tBodyGyro-mean()-Z :24

Description :Mean of each activity and each subject for tBodyGyro-mean()-Z

tBodyGyro-std()-X :25

Description :Mean of each activity and each subject for tBodyGyro-std()-X

tBodyGyro-std()-Y :26

Description :Mean of each activity and each subject for tBodyGyro-std()-Y

tBodyGyro-std()-Z :27

Description :Mean of each activity and each subject for tBodyGyro-std()-Z

tBodyGyroJerk-mean()-X :28

Description :Mean of each activity and each subject for tBodyGyroJerk-mean()-X

tBodyGyroJerk-mean()-Y :29

Description :Mean of each activity and each subject for tBodyGyroJerk-mean()-Y

tBodyGyroJerk-mean()-Z :30

Description :Mean of each activity and each subject for tBodyGyroJerk-mean()-Z

tBodyGyroJerk-std()-X :31
Description :Mean of each activity and each subject for tBodyGyroJerk-std()-X

tBodyGyroJerk-std()-Y :32
Description :Mean of each activity and each subject for tBodyGyroJerk-std()-Y

tBodyGyroJerk-std()-Z :33
Description :Mean of each activity and each subject for tBodyGyroJerk-std()-Z

tBodyAccMag-mean() :34
Description :Mean of each activity and each subject for tBodyAccMag-mean()

tBodyAccMag-std() :35
Description :Mean of each activity and each subject for tBodyAccMag-std()

tGravityAccMag-mean() :36
Description :Mean of each activity and each subject for tGravityAccMag-mean()

tGravityAccMag-std() :37
Description :Mean of each activity and each subject for tGravityAccMag-std()

tBodyAccJerkMag-mean() :38
Description :Mean of each activity and each subject for tBodyAccJerkMag-mean()

tBodyAccJerkMag-std() :39
Description :Mean of each activity and each subject for tBodyAccJerkMag-std()

tBodyGyroMag-mean() :40
Description :Mean of each activity and each subject for tBodyGyroMag-mean()

tBodyGyroMag-std() :41
Description :Mean of each activity and each subject for tBodyGyroMag-std()

tBodyGyroJerkMag-mean() :42
Description :Mean of each activity and each subject for tBodyGyroJerkMag-mean()

tBodyGyroJerkMag-std() :43
Description :Mean of each activity and each subject for tBodyGyroJerkMag-std()

fBodyAcc-mean()-X :44
Description :Mean of each activity and each subject for fBodyAcc-mean()-X

fBodyAcc-mean()-Y :45
Description :Mean of each activity and each subject for fBodyAcc-mean()-Y

fBodyAcc-mean()-Z :46
Description :Mean of each activity and each subject for fBodyAcc-mean()-Z

fBodyAcc-std()-X :47
Description :Mean of each activity and each subject for fBodyAcc-std()-X

fBodyAcc-std()-Y :48
Description :Mean of each activity and each subject for fBodyAcc-std()-Y

fBodyAcc-std()-Z :49
Description :Mean of each activity and each subject for fBodyAcc-std()-Z

fBodyAccJerk-mean()-X :50
Description :Mean of each activity and each subject for fBodyAccJerk-mean()-X

fBodyAccJerk-mean()-Y :51
Description :Mean of each activity and each subject for fBodyAccJerk-mean()-Y

fBodyAccJerk-mean()-Z :52
Description :Mean of each activity and each subject for fBodyAccJerk-mean()-Z

fBodyAccJerk-std()-X :53
Description :Mean of each activity and each subject for fBodyAccJerk-std()-X

fBodyAccJerk-std()-Y :54
Description :Mean of each activity and each subject for fBodyAccJerk-std()-Y

fBodyAccJerk-std()-Z :55
Description :Mean of each activity and each subject for fBodyAccJerk-std()-Z

fBodyGyro-mean()-X :56
Description :Mean of each activity and each subject for fBodyGyro-mean()-X

fBodyGyro-mean()-Y :57
Description :Mean of each activity and each subject for fBodyGyro-mean()-Y

fBodyGyro-mean()-Z :58
Description :Mean of each activity and each subject for fBodyGyro-mean()-Z

fBodyGyro-std()-X :59
Description :Mean of each activity and each subject for fBodyGyro-std()-X

fBodyGyro-std()-Y :60
Description :Mean of each activity and each subject for fBodyGyro-std()-Y

fBodyGyro-std()-Z :61
Description :Mean of each activity and each subject for fBodyGyro-std()-Z

fBodyAccMag-mean() :62
Description :Mean of each activity and each subject for fBodyAccMag-mean()

fBodyAccMag-std() :63

Description :Mean of each activity and each subject for fBodyAccMag-std()

fBodyBodyAccJerkMag-mean() :64

Description :Mean of each activity and each subject for fBodyBodyAccJerkMag-mean()

fBodyBodyAccJerkMag-std() :65

Description :Mean of each activity and each subject for fBodyBodyAccJerkMag-std()

fBodyBodyGyroMag-mean() :66

Description :Mean of each activity and each subject for fBodyBodyGyroMag-mean()

fBodyBodyGyroMag-std() :67

Description :Mean of each activity and each subject for fBodyBodyGyroMag-std()

fBodyBodyGyroJerkMag-mean() :68

Description :Mean of each activity and each subject for fBodyBodyGyroJerkMag-mean()

fBodyBodyGyroJerkMag-std() :69

Description :Mean of each activity and each subject for fBodyBodyGyroJerkMag-std()